

BatterySAVER PRO5W

INSTRUCTIONS

PLEASE READ YOUR OPERATING INSTRUCTIONS
CAREFULLY FOR CORRECT OPERATION

LIST OF MATERIALS INCLUDES:

The solar panel you have purchased will begin to generate power even under the lowest intensity daylight conditions. In order to properly connect your BatterySAVER PRO 5W, please read the following instructions carefully. Your warranty depends on having properly installed and operated this unit.

Model	Power	Temperature	Dimensions
10009	5 Watts	-40°F to 176°F	13" x 13" x 1"
10ft 16-gauge wire	350 mAmps@15 Volts -40°C to 80°C		330 x 330 x 25 mm
2 battery clamps and 4 mounting screws			

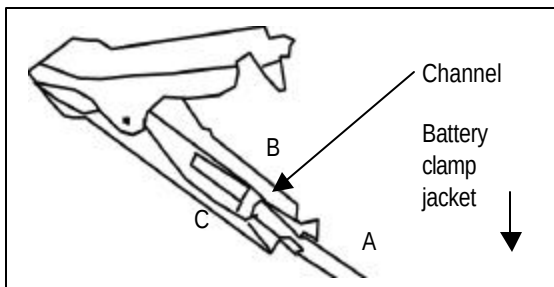
INSTRUCTIONS:

STEP 1 Mount the solar charger where you wish to have it placed. A set of mounting screws is included. Do not over tighten.

STEP 2 Attach the red battery clamp to the white (positive) wire and the black battery clamp to the black (negative) wire. Make sure that you protect this connection from the elements with silicone or electrical tape.

STEP 3 Connect the battery clamps to the battery (matching positive to positive and negative to negative). Your unit is pre-wired with a blocking diode which prevents reverse current. Please do not pull or hang by wire.

BATTERY CLAMP INSTALLATION:



You will need a pair of pliers.

1. Before inserting the wire (A), make sure that the red and black plastic battery jackets are inserted. Slide the BatterySAVER's gray wire in the channel between the pointed extrusions (B)
2. Slide the wire (you might have to strip the plastic cover of the wire) underneath the metal bridge.
3. Use the pliers to fold the extrusions onto the wire and to collapse the bridge (C) onto the wire.
4. Slide the plastic battery clamp jacket over the section. If you have any problems, refer to the included 20 feet wire clamps for guidance.

WARRANTY:

Warning: Warranty will be voided if the unit has been dismantled, repaired or serviced by anyone other than service facilities authorized by ICP Global or if fault results from accident, misuse, abuse or operation to the contrary to the instructions.

A 5 year warranty is given on the power output of the BatterySAVER PRO. This protection gives you assurance that for at least 5 years, your unit will generate at least 80% of the original power output. After that period, a small charge will be levied for the repair or replacement of parts. Our toll free number listed below is available to help you get your unit working again should it cease to perform properly. This warranty applies to the product from the original purchase date. An original receipt must be retained for proof of purchase. Some states do not allow exclusion or limitation of accidental or consequential losses, so the exclusions may not apply to your purchase. This warranty gives you specific legal rights and you may have other rights which vary from state to state or province to province. Toll free customer service 1-888-427-7652.

FREQUENTLY ASKED QUESTIONS:

Q1: What types of batteries can I trickle charge?

You can trickle charge all types of 12 Volt batteries including lead-acid automotive batteries, deep cycle (traction type) batteries, gel-cell batteries, and heavy-duty (stationary type) batteries.

Q2: How long will it take for the BatterySAVER PRO5W to charge a dead battery?

The PRO5W is designed to trickle charge batteries. Batteries have a natural rate of discharge, which varies depending on battery type, age and condition. The natural rate of loss on new batteries can be as high as 5% or more. The BatterySAVER PRO5W is designed to compensate for these losses in addition to losses due to on board electronic instrumentation. In an automobile, truck or RV it may be clocks and alarms that drains your battery. The BatterySAVER PRO5W will replenish these losses so that you can rely on a full battery after long periods of storage. If you would like to recharge a depleted battery, we suggest you try the ICP BatterySAVER PRO15W solar panels.

Q3: Can I trickle charge more than one battery at a time with the BatterySAVER PRO5W?

The BatterySAVER PRO5W is able to trickle charge more than one battery at a time. However keep in mind that the charge will be split between the batteries included. Therefore, depending on the age, size, discharge rate and condition of the battery, you may be able to trickle charge up to 6 small batteries such as those for motorcycles and ATV's etc and up to 3 automotive batteries.

Q4: Do I need a charge controller with a BatterySAVER PRO5W?

No. A charge controller is needed for the BatterySAVER PRO15W (15 Watt) panel or greater. The BatterySAVER PRO5W panel is not powerful enough to overcharge your battery.

Q5: Can the BatterySAVER PRO5W drain my battery at night?

No. All ICP Solar panels are equipped with a built-in diode, which prevents any reverse current.

Q6: Can my panel be left outdoors without protective covering?

Yes, the PRO5W panels have been weather protected and can be mounted outdoors. ICP PRO5W panels are completely weatherproofed and can withstand ½ inch hailstones, up to 180°F heat and operate under 3 inches of snow (on sunny days).

Q7: Can I mount the solar panel directly to a surface or do I need to use some sort of bracket?

ICP Solar panels can be installed directly to a flat surface, using the screws provided. Simply secure the panel using the mounting holes at each corner. Should the mounting surface be rubberized, we suggest that you use rubber spacers to create an air gap between the two surfaces (to prevent heat build-up when exposed to high temperature conditions).

Q8: Can I run an appliance, without a battery, by connecting it directly to my solar panel?

Yes. However, without a battery to store the power, the voltage and current supplied by the solar panel may vary and drop as soon as some clouds pass over, possibly causing your appliance to slow or stop working. Running directly from the solar panel may be perfect for an application that is designed to only work on sunny days, like a solar operated fan. In most cases however, users connect solar panels to 12 Volt batteries, which then provides steady reliable power to the 12 Volt appliances. In addition, for the appliance to work directly from the panel, it must be designed to operate within the maximum voltage and amperage range of the PRO5W. (350mAmps @ 15 Volts max.)

Q9: Can the wiring be extended?

You can extend the wiring of our solar chargers up to 35 feet, using 16-gauge wire, without any significant loss of power.

Q10: Can I install a cigarette lighter connector to my BatterySAVER PRO5W panel?

Yes. However for safety, please make sure to include a 5 Amp fuse on the positive wire.



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